

Patent claims

1. Method of operation for a control system (3) controlling a radio network for cellular/mobile communications (2) onboard a vessel enabling it to move freely in national and international areas without infringing national or international radio frequency regulations, characterised by that the control system uses data from a licence database which contains information about assigned radio frequencies in different geographical areas, radio frequency regulations, which agreements have been signed with frequency licence holders and information about available radio frequencies in un-regulated areas, combined with data from a positioning system (6) to determine which radio frequencies the vessel's radio network for cellular/mobile communications (2) can use in the current geographical area, so that the radio network (2) is adapted to the surroundings by only using allowed radio frequencies.
2. Method of operation according to claim 1, characterised by that the control system (3) uses information from a radio sensor (8), such that the cellular network's transmitted signals are adapted to any radio environment of any type, thereby avoiding the infringement of other radio networks, independent of any knowledge about or communication with those radio networks or radio transmitters in the area in the vessel's geographical vicinity.